

IN THE CLAIMS:

1. (Amended) A system comprising:

a process chamber ^{no member} having a feed inlet, a low pressure outlet and a high pressure outlet;

a feed pump;

a common shaft having rotatably coupled thereto a booster pump, fluidically coupled between said feed pump and said feed inlet, and an energy recovery turbine fluidically coupled to said high pressure outlet through a first channel, said energy recovery turbine drives said booster pump; and

a second channel fluidically coupling an input of said process chamber and said high pressure outlet.